

MAY 25 7006 W

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

K. SHIMADA et al

Serial No. 10/780,772 Group Art Unit: 2189

Filed: February 19, 2004 Examiner: H.L. FLOURNOY

For: STORAGE HAVING LOGICAL PARITIONING CAPABILITY AND SYSTEMS WHICH INCLUDE

THE STORAGE

## UNDER § 1.97 AND § 1.98

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

May 25, 2006

Sir:

## 1. This IDS should be considered:

- (a) when filed within three months of the filing date of the present application, or within three months of the filing date of the National Stage as set forth in § 1.491 in an international application, or before the mailing date of a first Office Action on the merits, whichever occurs last;
- (b) when filed before the mailing date of either a Final Rejection under § 1.113 or a Notice of Allowance under § 1.311, whichever occurs first and when 1(a) does not apply. For this purpose, there is included herein either a certification in section 4 below (included when indicated by a marked box), or a fee of \$180.00 (a check in the amount of \$180.00 is enclosed, or if not see section 5 below);
- (c) when filed prior to the payment of the Issue Fee, when 1(a)-(b) do not apply, and when a certification is included in section 4 below (included when indicated by a marked box); then the Applicant(s) hereby petition(s) and request(s) consideration of this IDS, and provided herewith is a fee of \$180.00 (a check in the amount of \$180.00 to cover the petition fee, or if not see section 5 below).
- 2. When 1(a)-(c) do not apply, then it is requested that this IDS be placed in the file.

- 3. Listing of the information submitted is on the attached Form PTO-1449, which forms a part of this IDS. A copy of each listed document is enclosed when needed (needed for U.S. and foreign patents, publication or portion thereof listed; no copy of a U.S. patent application is needed; a copy of a document is not needed when previously submitted or previously cited by the PTO in a parent application of the present application as set forth under 35 U.S.C. § 120).
  - 4. The undersigned hereby states:
- ☐ (a) that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application, as indicated on the copy of the communication submitted herewith, which communication was dated not more than three months prior to the filing of this IDS; or
- ☐ (b) that no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in § 1.56(c) more than three months prior to the filing of this IDS.
- 5. No explanation of relevancy is being provided for the documents listed in the attached PTO-1449 Form, because each is either in the English language and/or discussed in the present Specification. The references cited herein were cited in the parent application.
- 6. If a fee or additional fee is required, the Commissioner is hereby authorized to charge any fee or additional fee that may be required and credit any excess to Deposit Account No. 50-1417.

7. If the PTO determines that part(s) of the required content is inadvertently omitted, then it is requested that the Applicant(s) be given additional time and specific identification of such omission(s) to enable full compliance.

Respectfully submitted,

Daniel J Stanger

Registration No. 32,846 Attorney for Applicants

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C. 1800 Diagonal Rd., Suite 370 Alexandria, Virginia 22314 (703) 684-1120

Date: May 25, 2006

STRADE TRADE <u>1</u> of U.S. DEPARTMENT OF COMMERCE ATTY. DOCKET NO. FORM PTO-1449 SERIAL NO. PATENT AND TRADEMARK OFFICE ASA-5051 (REV. 7-80) 10/780,772 APPLICANT LIST OF DOCUMENTS CITED BY APPLICANT K. SHIMADA et al. (Use several sheets if necessary) FILING DATE GROUP February 19, 2004 2189 **U.S. PATENT DOCUMENTS EXAMINER** FILING DATE DOCUMENT DATE NAME CLASS SUBCLASS INITIAL (If Appropriate) 6,502,162 12/31/02 Blumenau et al ΑB 6,715,031 3/30/04 Camble et al AC 2002/ 7/18/02 Pherson et al 0095602 AD 2002/ 8/01/02 Tawil et al 0103913 2002/ 8/01/02 Cochran et al 0104008 ΑF 2003/ 3/20/03 Fuller et al 0055972 AG 2003/ 6/19/03 Pham et al

## **FOREIGN PATENT DOCUMENTS**

Yellepeddy

Harris et al

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
 	-	5,112	OCONTICT	OLAGO	SUBCLASS	YES	NO
AL	2002- 149599	5/24/92	JP (w English Abstract)				
 АМ	5-128002	5/25/93	JAPAN				
AN							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AR	Buck, A.L. et al, "The Storage Server as Virtual Volume Manager",
	IEEE Comput. Soc., April 1993, USA 26-29, pp. 79-86.
AS	Gelb, J.P., "System-Managed Storage", IBM Systems Journal,
	Vol. 28, No. 1, Jan. 1989, pp. 77-103.
AT	Kaczmarski, M. et al, "Beyond Backup Toward Storage Management",
``` [	IBM Systems Journal, Vol. 42, No. 2, 2003, pp. 322-337.

**EXAMINER** 

0115447

0064729 2001/

0047482

4/01/04

11/29/01

2004/

AΗ

AJ AK

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

							Sheet	2 0	of <u>15</u>
FORM PTC (REV. 7-80		9	U.S. DEPAR	TMENT OF COMMERC D TRADEMARK OFFIC	E ATTY. DOCKET NO.	SERIA	L NO. 80,772		
					APPLICANT	110//	80,772		
	LIST	OF DOCUMEN			K. SHIMADA et al.				
		(Use several	sheets if necess	ary)	FILING DATE February 19, 2004	GROU 2189			
				U.S. PATEN	T DOCUMENTS	2103			
* EXAMINER	1	T		7			<del></del>	FILING	3 DATE
INITIAL	-	DOCUMENT	DATE		NAME	CLASS	SUBCLASS		ropriate)
<del> </del>	AA	5,657,470	08/12/97	Fisherman et	al				
	AB	6,275,824	08/14/01	O'Flaherty et	al				
	AC	6,275,825	08/14/01	Kobayashi et	al				
	AD	6,502,193	12/31/02	Barber					
	AE	2002/ 0099837	07/25/02	Oe et al					
	AF	2003/ 0023868	01/30/02	Parent					
	AG								
	АН								
	AI								
	AJ								
	AK					_			
				FOREIGN PATI	ENT DOCUMENTS			·	
		DOCUMENT	DATE		COUNTRY	CLASS	SUBCLASS	TRANS YES	LATION NO
	AL								
	АМ								
	AN								
	AO								
	АР								
		•	OTHER DOCU	MENTS (Including A	uthor, Title, Date, Pertinent Pa	ages, etc.)			
	AR	"Freed	om Storage	Lightning 990	0 V Series", User an	nd Refer	ence Guide	⊇,	
		Hitach	i Data Sys	tems Corp., 20	02, pp. iii-124.				
	AS								
EXAMINER					DATE CONSIDERED				
* EXAMINE	R: Initi	al if reference considere	d, whether or not citati	on is in conformance with MPE	P 609; Draw line through citation if not in cor	nformance and no	t considered. Includ	e copy of thi	is form with
evr countinuics	OJ NOUE	аррисапт.							

FORM PTO		9	U.S. DEPART	MENT OF COMMERC	ERCE ATTY. DOCKET NO. SERIAL NO.				
(REV. 7-80)	)		PATENT AND	D TRADEMARK OFFIC	ASA-5051 APPLICANT	10/7	80,772		
ι	LIST		TS CITED BY		K. SHIMADA et al				
		(Use several	sheets if necessa	ary)	FILING DATE	GROU			
					February 19, 2004	2189			
		1		U.S. PATEN	T DOCUMENTS				
*EXAMINER INITIAL		DOCUMENT	DATE		NAME	CLASS	SUBCLASS		DATE ropriate)
	AA	6,275,898	08/14/01	DeKoning					
	АВ	6,289,398	09/11/01	Stallmo et al					
	AC	6,425,049	07/23/02	Yamamoto et a	al				
	AD	6,507,905	01/14/03	Hubacher et a	al				
-	AE	6,519,679	02/11/03	Devireddy et	al	,			
	AF	6,615,324	09/02/03	Fernald					
	AG								
	АН								
	AI								_
	AJ								<del>.</del>
	AK								
	1			FOREIGN PAT	ENT DOCUMENTS	<u> </u>		L	<u>_</u>
		DOCUMENT	DATE		COUNTRY	CLASS	SUBCLASS	TRANS YES	LATION
	AL								
	АМ								
	AN								
	AO								
-	АР							][	
			OTHER DOCU	MENTS (Including A	uthor, Title, Date, Pertinent Pa	ages, etc.)	1		
	AR	11.11.4							
			<del></del>	<u> </u>					
	AS								
EXAMINER					DATE CONSIDERED				
* EXAMINER next communicate	R: Initia	al if reference considere	ed, whether or not citati	on is in conformance with MPE	P 609; Draw line through citation if not in co	nformance and not	considered. Include	copy of thi	s form with

							Sheet	4	of <u>15</u>
FORM PTO (REV. 7-80)		9	U.S. DEPAR PATENT AN	TMENT OF COMMERC D TRADEMARK OFFIC	E ATTY. DOCKET NO. E ASA-5051	SERIAI 10/7	NO. 30,772		
					APPLICANT	1/			
L	_IST	OF DOCUMEN			K. SHIMADA et al				
		(Use several	sheets if necess	ary)	FILING DATE	GROU	· ·	-	
			<del></del>		February 19, 2004	2189			
				U.S. PATEN	T DOCUMENTS				
* EXAMINER INITIAL		DOCUMENT	DATE		NAME	CLASS	SUBCLASS		NG DATE propriate)
	AA	6,665,786	12/16/03	McMichael et	al				
	АВ	6,728,836	04/27/04	Lambright et	al	7			
	AC	6,772,287	08/03/04	Uchiyama et a	1				
	AD	6,851,022	02/01/05	Ikeuchi et al					
	AE	2002/ 0107810	08/08/02	Nishio et al					
***	AF	2003/ 0014600	01/16/03	Ito et al					
	AG	2004/ 0010563	01/15/04	Forte et al					
	АН								
	AI								
	AJ								
	AK								
				FOREIGN PATE	ENT DOCUMENTS				
<del></del>		DOCUMENT	DATE		COUNTRY	CLASS	SUBCLASS	TRAN YES	ISLATION NO
	AL				-				
	АМ								
	AN								
	АО								
	AP								
			OTHER DOCU	IMENTS (Including A	uthor, Title, Date, Pertinent Po	ages, etc.)			
 I	AR								
	AS								
EXAMINER					DATE CONCIDENCE				
CAMMINEK					DATE CONSIDERED				
* EXAMINEI next communica	R: Initi	at if reference consider applicant,	ed, whether or not cital	tion is in conformance with MPE	P 609; Draw line through citation if not in co	informance and not	considered. Includ	e copy of	this form with

FORM PTO (REV. 7-80)	)-1449 )	)	U.S. DEPART PATENT ANI	MENT OF COMMERC TRADEMARK OFFIC	CE ATTY. DOCKET NO. SERIA  SERIA  SERIA  ASA - 5051 10/*		L NO. 80,772		
ı	LIST		ITS CITED BY A I sheets if necessa		K. SHIMADA et al FILING DATE February 19, 2004	GROU!			
				U.S. PATEN	NT DOCUMENTS	2102			
* EXAMINER INITIAL		DOCUMENT	DATE		NAME	CLASS	SUBCLASS		3 DATÉ ropriate)
	AA	6,148,368	11/14/00	DeKoning					
	АВ	6,341,331	01/22/02	McNutt					•
	AC	6,347,358	02/12/02	Kuwata					
	AD	2003/ 0196055	10/16/03	Kamano et al					
	AE	2004/ 0111557	06/10/04	Nakatani et	al				
	AF	2004/ 0139168	07/15/04	Tanaka et al					
	AG	2004/ 0193803	09/30/04	Mogi et al					
	АН								
	AI								
	AJ								
	AK								
				FOREIGN PAT	ENT DOCUMENTS		· <b></b>		
		DOCUMENT	DATE		COUNTRY	CLASS	SUBCLASS	TRANS	LATION
	AL								
	АМ								
	AN								
	АО								
	AP								
			OTHER DOCU	MENTS (Including A	outhor, Title, Date, Pertinent P	ages, etc.)			
	AR								
	AS								
	٦٥								
	АТ								
EXAMINER					DATE CONSIDERED				
E) O (IIIII I E) (					DATE CONSIDERED				
* EXAMINES next communica	R: Initia	al if reference considere applicant.	ed, whether or not citatic	on is in conformance with MPE	EP 609; Draw line through citation if not in co	nformance and no	considered. Include	copy of thi	s form with

FORM PTO- (REV. 7-80)	FORM PTO-1449 U.S. DEPARTMENT OF COMME (REV. 7-80) PATENT AND TRADEMARK OF			MENT OF COMMERCE TRADEMARK OFFICE	ATTY. DOCKET NO. ASA-5051	SERIAL 10/78	. NO. 30,772		
		05 DOO!!!!5			APPLICANT				
L	IST (		TS CITED BY A sheets if necessal		K. SHIMADA et al	GROUF	<u> </u>		
					February 19, 2004				
				U.S. PATENT	T DOCUMENTS				
* EXAMINER INITIAL		DOCUMENT	DATE		NAME	CLASS	SUBCLASS		DATE ropriate)
	AA	6,484,173	11/19/02	O'Hare et al					
	AB								
	AC								
	AD					ļ			
	AE								
-	AF								
	AG AH								
	Al					1			
	AJ								
	AK								
	1		<u> </u>	FOREIGN PATE	ENT DOCUMENTS	]	1		
		DOCUMENT	DATE		COUNTRY	CLASS	SUBCLASS	TRANS YES	LATION
	AL								
	АМ								
	AN								
	АО								
	AP				/ <u></u>	<u> </u>			
			OTHER DOCUM	MENTS (Including Au	thor, Title, Date, Pertinent F	Pages, etc.)			
	AR								
	_								
	AS		,						
					-				
	AT								
EXAMINER	AT			Ir	DATE CONSIDERED				
EXAMINER					DATE CONSIDERED		<del></del>		

FORM PTO-1449 U.S. DEPARTMENT (REV. 7-80) PATENT AND TRAD			U.S. DEPART PATENT ANI	MENT OF COMMERCE TRADEMARK OFFICE	FICE ASA-5051 SERIAL NO. 10/780,772				
	•	OF BOOLINES			APPLICANT	110//0	30,112		
'	_IS !		ITS CITED BY A I sheets if necessa		K. SHIMADA et al	IGROUP			
		· 			February 19, 2004	2189			
				U.S. PATENT	DOCUMENTS				
* EXAMINER INITIAL		DOCUMENT	DATE		NAME	CLASS	SUBCLASS		G DATE ropriate)
	AA	2003/ 0115218	06/2003	Bobbitt et al					-
	АВ	6,542,961	04/01/03	Matsunami					
	AC	6,606,695	08/12/03	Kamano					
	AD	2004/ 0153605	08/05/04	Nakamura					
	AE	2003/ 0229698	12/11/03	Furahashi					
	AF	2003/ 0120743	06/26/03	Coatney					
	AG	2003/ 0115282	06/19/03	Rose					
	АН	2004/ 0153710	08/05/04	Fair					
	Al	6,718,481	04/06/04	Fair					
	AJ								
	AK		<u> </u>						
	·		•	FOREIGN PATE	NT DOCUMENTS				
<del></del>	<u> </u>	DOCUMENT	DATE	C	OUNTRY	CLASS	SUBCLASS	TRANS YES	LATION NO
	AL	1321848	12/20/02	EP				$\boxtimes$	
	АМ	2002- 230189	08/2002	JP (with Engli	sh Abstract)				
	AN	2003- 30053	1/2003	JP (with Engli	sh Abstract)				
	АО								
	АР								
			OTHER DOCUM	MENTS (Including Auti	hor, Title, Date, Pertinent Pa	ages, etc.)		_	
	AR	Swartz	, K., "Mult	iple Volumes a	nd Multiple RAID Gr	coups on	NetApp Fl	iers"	,
		Networl	k Applicanc	e Report TR 302	27, no date, from G	Soogle ca	che onlin	ie.	
	AS	Rangel	, G., "Hita	chi Freedom Sto	orage: Thunder 9200	Archite	cture and	ı	
TYANANED		Perform	nance Confi		lines", Hitachi Dat	a System	s, 2001,	pp.1	27.
EXAMINER				DF	ATE CONSIDERED				
* EXAMINER	C: Initia	al if reference considere	d, whether or not citatio	in is in conformance with MPEP 6	609; Draw line through citation if not in cor	iformance and not o	considered. Include	copy of this	s form with

FORM PTO-1449 (REV. 7-80)			U.S. DEPARTI PATENT AND	MENT OF COMMERCE TRADEMARK OFFICE	ASA-5051	SERIAL NO. 10/780,772			
ا ر	IST	OF DOCUMEN	ITS CITED BY A		APPLICANT K. SHIMADA et al				_
_			sheets if necessar	ry)	FILING DATE	GRO	LIP		
					February 19, 2004	218			
				U.S. PATENT	DOCUMENTS				
* EXAMINER INITIAL		DOCUMENT	DATE		NAME	CLASS	SUBCLASS		DATE ropriate)
	-	6,594,775	07/15/03	Fair					
	├	6,691,209		O'Connell					
	<del> </del>	6,865,157	03/08/05	Scott					
	$\vdash$	6,904,470	06/07/05	Ofer					
	<del></del>	5,973,690	10/26/99	Ofer					
			12/14/03	Sanada					
	_	2004/ 0168033	08/26/04	Sanada					
	АН	6,523,096	02/18/03	Sanada					
		2002/ 0083285	06/27/02	Sanada					
	AJ	6,609,180	08/18/03	Sanada					
	AK	2002/ 0010843	01/24/02	Sanada					
			·	FOREIGN PATE	NT DOCUMENTS				
		DOCUMENT	DATE	C	OUNTRY	CLASS	SUBCLASS	TRANS YES	NO NO
	AL								
	АМ					<del></del> ·			
	AN		ļ						
	АО								
	AP								
	ı	· · · · · · · · · · · · · · · · · · ·	OTHER DOCUM	IENTS (Including Auti	hor, Title, Date, Pertinent Pa	ages, etc.)			
	AR	<u> </u>							
	AS								
	<del>                                     </del>	<del>                                     </del>							
	АТ								
EXAMINER				<u></u>	ATE CONSIDERED		<del></del>		
									;
* EXAMINER next communication	d: Initia	il if reference considere applicant.	d, whether or not citation	n is in conformance with MPEP 6	609; Draw line through citation if not in con	nformance and r	not considered. Include	copy of thi	s form with

FORM PTO		)	U.S. DEPART	MENT OF COMMERCE	ATTY, DOCKET NO.	SERIAL			
(REV. 7-80)	ı		PATENT AND	TRADEMARK OFFICE		10/78	30,772		
	ICT	OE DOCUMEN	TS CITED BY A	DDLICANT	APPLICANT				
١ ،	.131		sheets if necessa		K. SHIMADA et al	GROU			
		(000 0070707	0,100.td	•37	February 19, 2004	2189	-		
				U.S. PATENT	DOCUMENTS	12203	-		
* EXAMINER INITIAL		DOCUMENT	DATE		NAME	CLASS	SUBCLASS	FILING (If Appl	DATE opriate)
	AA	6,728,844	04/27/04	Sanada					
	АВ	2001/ 0011333	08/02/01	Sanada					
	AC	2001/ 0011332	08/02/01	Sanada					
	AD	6,877,073	08/05/05	Sanada					
	AE	2001/ 0008010	07/12/01	Sanada					
	AF	2005/ 0172052	08/04/05	Sanada					
	AG	6,910,102	06/21/05	Matsunami					
	АН	6,701,410	03/02/04	Matsunami					
	AI	2004/ 0158673	08/12/04	Matsunami					
	AJ	2005/ 0033914	02/10/05	Matsunami					
	AK								
				FOREIGN PATE	NT DOCUMENTS				
		DOCUMENT	DATE	С	OUNTRY	CLASS	SUBCLASS	TRANS YES	NO NO
	AL								
	АМ					<u> </u>			
	AN					ř.			
	AO								
	AP								
			OTHER DOCUM	MENTS (Including Aut	hor, Title, Date, Pertinent P	ages, etc.)			
	AR								
	AS								
EVANABLES					ATE 00110105555				
EXAMINER				D	ATE CONSIDERED				
* EXAMINEI next communica	R: Initi	al if reference consider applicant.	ed, whether or not citation	on is in conformance with MPEP (	509; Draw line through citation if not in co	nformance and not	considered. Include	copy of thi	s form with

EODM DTO	1 4 4 4		ILC DEDAD	THE NEW OF COLUMN	=1		Sneet	10	or 15
FORM PTO (REV. 7-80)		9	U.S. DEPAR PATENT AN	TMENT OF COMMERC D TRADEMARK OFFIC	E ATTY. DOCKET NO.	SERIA	L NO. 80,772		
ľ <i>′</i>					APPLICANT	110//	80,112		
lι	LIST	OF DOCUMEN	TS CITED BY	APPLICANT	K. SHIMADA et al				
}		(Use several	sheets if necess	ary)	FILING DATE	GROU	P		
					February 19, 2004	2189			
				U.S. PATEN	T DOCUMENTS	12203			
* EXAMINER INITIAL		DOCUMENT	DATE		NAME	CLASS	SUBCLASS		IG DATE
	AA	6,701,411	03/02/04	Matsunami				(II AP)	
	+	6,851,029	02/01/05	Matsunami				-	-
	┼	<del></del>	<del>                                     </del>						
		2002/ 0091898	07/11/02	Matsunami					
	AD	2002/ 0095549	07/18/02	Matsunami					
	AE	2003/ 0191910	10/09/03	Matsunami					
	AF	2001/ 0047463	11-29-01	Kamano					
	AG	2004/ 0199736	10/07/04	Kamano					
	АН	2003/ 0225934	12/04/03	Kaji					
	AI								
	AJ								
	AK								
				FOREIGN PAT	ENT DOCUMENTS				
		DOCUMENT	DATE		COUNTRY	CLASS	SUBCLASS	TRANS	LATION NO
							1	163	T NO
	AL			-				Ш	$\perp \sqcup$
<del></del> -	АМ								
	AN								
	АО								
	AP								
			OTHER DOCU	MENTS (Including A	uthor, Title, Date, Pertinent Pa	ages, etc.)			
	AR								
	AS								
EXAMINER					DATE CONSIDERED				
* EXAMINER	R: Initia	of if reference considere applicant.	d, whether or not citati	on is in conformance with MPE	P 609; Draw line through citation if not in cor	nformance and not	considered. Include	copy of th	is form with

FORM PTO (REV. 7-80)	)		PATENT AN	RTMENT OF COMMER	APPLICANT		SERIA 10/7	L NO. 80,772		
	_151	OF DOCUMEN (Use several	ITS CITED BY I sheets if necess		K. SHIMADA FILING DATE February 1		GROU 2189			
		-		U.S. PATE	NT DOCUMENTS		•			
* EXAMINER INITIAL		DOCUMENT	DATE		NAME		CLASS	SUBCLASS		G DATE
	AA	2002/ 0099914	07/2002	Matsunami et	al					
	АВ	2005/ 0166074	07/2005	Hack, Mark E	Elliott					
	AC									
	AD									
	AE									
	AF									
	AG									
	АН									
	AI									
	AJ									
	AK									
				FOREIGN PA	TENT DOCUMENT	s				
		DOCUMENT	DATE		COUNTRY		CLASS	SUBCLASS	TRANS YES	LATION
	AL									
	АМ									
	AN									
	AO									
	АР									
			OTHER DOCL	JMENTS (Including )	Author, Title, Date, I	Pertinent Pa	iges, etc.)			
	AR									
	AS									
EXAMINER					DATE CONSIDERS					
COMMER					DATE CONSIDERE	ט				
* EXAMINER	R: Initia	al if reference considere	ed, whether or not cita	tion is in conformance with MP	EP 609; Draw line through ci	tation if not in con	formance and not	considered. Include	e copy of thi	s form with

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				SERIAL NO. 10/780,772			
		ITS CITED BY APPLICANT I sheets if necessary)		K. SHIMADA et al FILING DATE	GROU	5			
				U.S. PATENT	February 19, 2004 DOCUMENTS	2189		<del>-</del>	
*EXAMINER DOCUMENT DATE			DATE	T	NAME	CLASS	SUBCLASS		3 DATE
INITIAL			-			CLAGG	SUBCLASS	(If Appl	ropriate)
	1	6,742,034	05/2004	Schubert et a			_		
	AB	2005/ 0021727	01/2005	Matsunami et					
	AC	2004/ 0215915	10/2004	Block et al					
	AD	2002/ 0161891	10/2002	Higuchi et al					
	ΑE	2003/ 0177176	09/2003	Hirschfeld et	al				
	AF	2004/ 0210591	10/2004	Hirschfeld et	al				
	AG 2004/ 10/2004 Armstrong et 0215859				al				
	АН	2004/ 0215860	10/2004	Armstrong et a	al				
	AI	2004/ 0181589	09/2004	Suleiman, Yase	er I.				
	AJ	6,839,796	01/2005	Dawson et al					
	AK 2003/ 06/2003 Mahalingam et 0115438			al					
				FOREIGN PATE	NT DOCUMENTS				
		DOCUMENT	DATE CO		COUNTRY	CLASS	SUBCLASS	TRANS	LATION
	AL								
	АМ				ALL SAPE				
	AN	<del></del>							
	AO							H	
	AP								
		(	OTHER DOCU	MENTS (Including Au	thor, Title, Date, Pertinent P	L Pages, etc.)	.Ll.		
	AR							- 11	
EXAMINER				D	ATE CONSIDERED				
* EXAMINER next communicati	l: Initia	I if reference considere applicant.	d, whether or not citation	on is in conformance with MPEP	609; Draw line through citation if not in co	onformance and not	considered, Include	copy of this	s form with

		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INTS CITED BY APPLICANT all sheets if necessary)		E ATTY. DOCKET NO. E ASA-5051 10/780,772 APPLICANT K. SHIMADA et al FILING DATE GROUP February 19, 2004 2189					
				U.S. PATENT	DOCUMENTS	12202		•	
* EXAMINER INITIAL	DOCUMENT DATE			NAME	CLASS	SUBCLASS		G DATE propriate)	
	AA	2005/ 0005064	01/2005	Ito et al					_
	АВ	6,684,209	01/2004	Ito et al					
	AC	2002/ 0052914	05/2002	Zalewski et al					
	AD	AD 2004/ 01/2004 Ashok et al 0003063							
	AE 2004/ 10/2004 Ahrens et al 0212511 AF 2005/ 0050085 03/2005 Shimada et al								
	AG	6,343,324	01/2002	Hubis et al					
	АН	2004/ 0163028	08/2004	Olarig					
	ΑI	6,690,400	02/2004	Moayyad et al					
	AJ								
	AK								
				FOREIGN PATE	NT DOCUMENTS		<u></u>		
		DOCUMENT	DATE	С	OUNTRY	CLASS	SUBCLASS	TRANS	NO
	AL								
	АМ								
	AN								
	АО								П
	AP								
		(	OTHER DOCUM	MENTS (Including Aut	hor, Title, Date, Pertinent P	ages, etc.)	<u> </u>		
	AR								
	AS								
EXAMINER					TT 00110195959				
	), <sub>  -</sub> :.:-	A id and			ATE CONSIDERED				
next communicati	ion to a	pplicant.	u, whether or not citation	n is in conformance with MPEP 6	009; Draw line through citation if not in co	informance and not	considered. Include	copy of this	s form with

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTI	MENT OF COMMERO TRADEMARK OFFICE	CE ATTY, DOCKET NO.		SERIAL NO. 10/780,772			
(NEW AND HOLDERS					APPLICANT	1-07.0	0,112		
LIST OF DOCUMENTS CITED BY APPLICANT				PPLICANT	K. SHIMADA et al				
(Use several sheets if necessa					FILING DATE	GROUP	,		
					February 19, 2004	2189			
				U.S. PATE	NT DOCUMENTS				
* EXAMINER INITIAL		DOCUMENT	DATE		NAME	CLASS	SUBCLASS		DATE ropriate)
	AA	2001/ 0027501	10/2001	O'Hare et al					
,	АВ	2001/ 0020254	09/2001	Blumenau et	al				
	١٠	5,765,153	06/1998	Benantar et	al				
	ΑD	2005/ 0120171	06/2005	Yasukawa et					
	AE	2005/ 0149677	07/2005	Shimada et al					
	AF								
	AG								
	АН				W-W-				
	AI								
-	AJ								
	AK								
	,		·	FOREIGN PAT	ENT DOCUMENTS				
		DOCUMENT	DATE		COUNTRY	CLASS	SUBCLASS	YES	NO NO
	AL	2002- 259214	2002	JAPAN					
	АМ	1341074	2003	EUROPE					
	AN								
	AO								
	AP								
			OTHER DOCUM	MENTS (Including A	Author, Title, Date, Pertinent P	ages, etc.)			
	AR	B.W. La No. 1,	ampson, "Pr January 19	otection" Ope 74, pp. 18-24	erating Systems Revi	ew, ACM P	ress, XX,	vol.	8,
	AS								
EXAMINER		1			DATE CONSIDERED				
* F.V. * ***									
* EXAMINER next communicat	<: Initiation to a	al if reference considere applicant.	d, whether or not citation	n is in conformance with MPI	EP 609; Draw line through citation if not in co	informance and not	considered. Include	copy of thi	s form with

FORM PTO		9	U.S. DEPAR	TMENT OF COMMERC	E ATTY. DOCKET NO	<u> </u>	SERIA		15	01 15
(REV. 7-80) P		PATENT ANI	D TRADEMARK OFFICE			10/7	80,772			
	IST	OF DOCUMEN	ITS CITED BY	ADDI ICANT	APPLICANT K. SHIMADA	1				-
-			sheets if necessa		FILING DATE	et ai	īv			
, , , , , , , , , , , , , , , , , , , ,					February 19,	2004	\			
			_	U.S. PATEN	T DOCUMENTS					
* EXAMINER INITIAL				NAME		LASS	SUBCLASS		G DATE propriate)	
	AA	6,898,672	05/24/05	Lambright et	al					
	АВ	2004/ 0088417	05/06/04	Bober et al						
	AC	6,457,102		Lambright et						
	AD	2003/ 0005456	01/2003	Naganuma et a	1					
	AE									
	AF									
	AG									
	АН									-
	AI									
	AJ									
	AK									
				FOREIGN PATE	ENT DOCUMENTS					
		DOCUMENT	DATE		COUNTRY		LASS	SUBCLASS	TRANS	NO
	AL	2003- 157177 05/30/0		JP (with English Abstract)			-			
	АМ									
	AN									
	АО									
	АР									
			OTHER DOCU	MENTS (Including Au	ıthor, Title, Date, Per	rtinent Pages	etc.)			
	AR									
	AS						,			
		Ĺ								
EXAMINER					DATE CONSIDERED					
* EXAMINEF	₹: Initi:	al if reference considere	ed, whether or not citati	on is in conformance with MPEP	2 609; Draw line through citatic	on if not in conformat	nce and no	t considered, Include	copy of th	is form with
next communicati	ion to r	applicant.			•					